





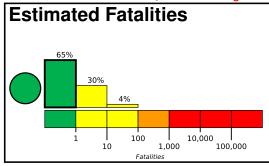
PAGER Version 8

Created: 1 day, 23 hours after earthquake

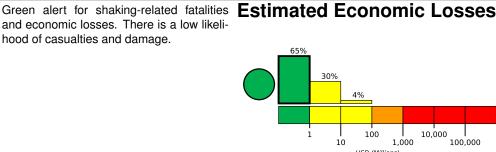
M 4.2, Washington

Origin Time: 2023-10-09 02:21:08 UTC (Sun 19:21:08 local) Location: 48.0298° N 122.7526° W Depth: 54.9 km

FOR TSUNAMI INFORMATION, SEE: tsunami.gov



and economic losses. There is a low likeli-



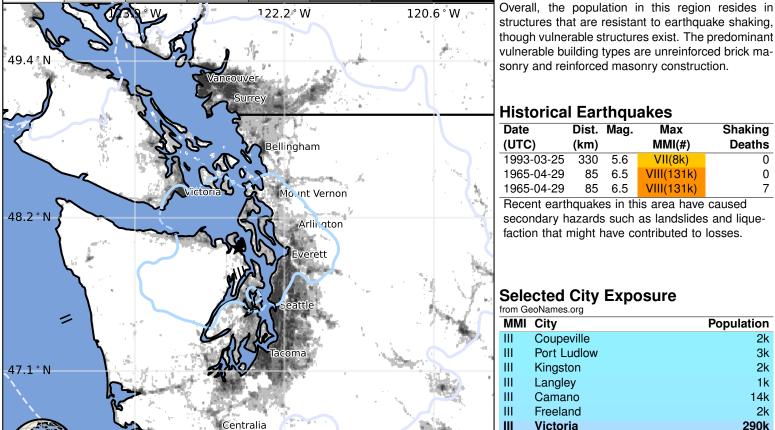
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		410k*	9,189k	3k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan Structures 5000



motorical Eartifuanco					
Date	Dist.	Mag.	Max	Shaking	
(UTC)	(km)		MMI(#)	Deaths	
1993-03-25	330	5.6	VII(8k)	C	
1965-04-29	85	6.5	VIII(131k)	C	
1965-04-29	85	6.5	VIII(131k)	7	

Recent earthquakes in this area have caused secondary hazards such as landslides and liquefaction that might have contributed to losses.

Selected City Exposure

from Ge	eoNames.org	
MMI	City	Population
Ш	Coupeville	2k
Ш	Port Ludlow	3k
Ш	Kingston	2k
Ш	Langley	1k
Ш	Camano	14k
Ш	Freeland	2k
Ш	Victoria	290k
Ш	Seattle	609k
II	Olympia	46k
II	Surrey	395k
II	Vancouver	600k

bold cities appear on map.

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.